UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



Region 6 Laboratory

Environmental Services Branch 10625 Fallstone Road, Houston, TX 77099 Phone: (281)983-2100 Fax: (281)983-2248

Final Analytical Report

Site NameOil Trust Fund
Sample Collection Date(s) 08/05/10
Contact Rich Mayer (6PD-F)
Report Date08/10/10
Project # 10REG225
Work Order(s)1008017

Analyses	included	l in	this	report:
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LC DOSS

Report Narrative

Sample 1008017-04 (vial A) showed a DOSS value of 20.4 ug/L (ppb). For confirmation purposes, sample 1008017-04RE1 (vial B) was extracted. DOSS was undetected above the reporting level in vial B. The laboratory is unable to confirm the presence of DOSS in the sample. Due to possible lab error during the extraction process of vial A, the results of vial B are being reported as estimated.

Standard procedures for quality assurance and quality control were followed in the analysis and reporting of the sample results. The results apply only to the samples tested. This final report should only be reproduced in full.

Reporting limits are adjusted for sample size and matrix interference.

eport Approvals:	
Richard McMillin	David Neleigh
Region 6 Laboratory Manager	Region 6 Laboratory Branch Chief

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Environmental Services Branch Laboratory

10625 Fallstone Road Houston, Texas 77099

Sample Receipt and Disposal

Site Name: Oil Trust Fund	Project Number: 10REG225				
Data Management Coordinator: Christy Warre					
	/ /				
Data Management Coordinator Signature	Date				
Date Transmitted:/					
Please have the U.S. EPA Project Manager/Off comments or questions.	Ficer call the Data Management Coordinator at 3-2137 for any				
Please sign and date this form below and return	n it with any comments to:				
Christy Warren Data Management Coordinator Region 6 Laboratory 6MD-HS					
Received by and Date					
Comments:					
The laboratory routinely disposes of samples 90 hold these samples in custody longer than 90 days	0 days after all analyses have been completed. If you have a need to ays, please sign below.				
Signature	 Date				
Please provide a reason for holding:					



Region 6 Laboratory

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ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
T007-2331-100805-SW-05-1	1008017-01	Liquid	8/5/10 10:50	08/06/10 09:20
T007-2333-100805-SW-03-1	1008017-02	Liquid	8/5/10 13:35	08/06/10 09:20
T007-2337-100805-SW-04-1	1008017-03	Liquid	8/5/10 12:40	08/06/10 09:20
T001-1405-100805-SW-02-1	1008017-04	Liquid	8/5/10 11:30	08/06/10 09:20
T001-2002-100805-SW-1	1008017-05	Liquid	8/5/10 9:50	08/06/10 09:20
T005-0010-100805-SW-1	1008017-06	Liquid	8/5/10 12:28	08/06/10 09:20
T005-2339-100805-SW-1	1008017-07	Liquid	8/5/10 11:15	08/06/10 09:20

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DOSS by LC/MS/MS

Lab ID: 1008017-01

Batch: B0H0605 Sample Type: Liquid Station ID: T007-2331-100805-SW-05-1

Date Collected: 08/05/10 Sample Volume: 22 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared Analyze	d
Surr: DOSS-D34	188		104	50-150	08/06/10 08/06/10	0

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/06/10 08/06/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008017-02

Batch: B0H0605 Sample Type: Liquid Station ID: T007-2333-100805-SW-03-1

Date Collected: 08/05/10 Sample Volume: 23 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	170		97.5	50-150	08/06/10	08/06/10
		Targets				
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/06/10	08/06/10

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DOSS by LC/MS/MS

Lab ID: 1008017-03

Batch: B0H0605 Sample Type: Liquid 08/05/10

Station ID: T007-2337-100805-SW-04-1

Date Collected: 08/05/10 Sample Volume: 23 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared Analyzed
Surr: DOSS-D34	159		91.7	50-150	08/06/10 08/06/10
		Targets			
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/06/10 08/06/10

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DOSS by LC/MS/MS

1008017-04RE1 Lab ID:

Dioctyl sulfosuccinate, sodium salt (577-11-7)

Batch: B0H0901 Sample Type: Liquid Date Collected: 08/05/10 Sample Volume: 23 ml

Sample Qualifiers:

08/09/10 08/09/10

Station ID: T001-1405-100805-SW-02-1

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Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	177		102	50-150	08/09/10	08/09/10
		Targets				
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	g Dilution	Prepared	Analyzed

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DOSS by LC/MS/MS

1008017-05 Lab ID:

Batch: B0H0605 Sample Type: Liquid Date Collected: 08/05/10 Sample Volume: 24 ml

Sample Qualifiers:

Station ID: T001-2002-100805-SW-1

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	174		104	50-150	08/06/10	08/06/10
		Targets				
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctvl sulfosuccinate, sodium salt (577-11-7)	U		19.6	1	08/06/10	08/06/10

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DOSS by LC/MS/MS

1008017-06 Lab ID:

Batch: B0H0605 Sample Type: Liquid Date Collected: 08/05/10 Sample Volume: 23 ml

Sample Qualifiers:

Station ID: T005-0010-100805-SW-1

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared .	Analyzed
Surr: DOSS-D34	192		111	50-150	08/06/10	08/06/10
		Targets				
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate sodium salt (577-11-7)	IJ		20.0	1	08/06/10	08/06/10

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DOSS by LC/MS/MS

Lab ID: 1008017-07

Batch: B0H0605 Sample Type: Liquid Date Collected: 08/05/10 Sample Volume: 24 ml

Sample Qualifiers:

Station ID: T005-2339-100805-SW-1

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared Analyzed
Surr: DOSS-D34	192		115	50-150	08/06/10 08/06/10
		Targets			
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		19.6	1	08/06/10 08/06/10

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DOSS by LC/MS/MS - Quality Control

Batch: B0H0605 Sample Type: Liquid

Blank (**B0H0605-BLK1**)

Prepared: 8/6/2010 Analyzed: 8/6/2010

Surrogates

	Result	Analyte	Spike		%REC
ANALYTE	μg/l	Qualifier	Level	%REC	Limits
Surr: DOSS-D34	200		200	100	50-150

Blank (**B0H0605-BLK1**)

Prepared: 8/6/2010 Analyzed: 8/6/2010

Targets

ANALYTE		Analyte Reporting Qualifiers Limit	RPD RPD Limit
Dioctyl sulfosuccinate, sodium	U	20.0	

salt

LCS (B0H0605-BS1)

Prepared: 8/6/2010 Analyzed: 8/6/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level %	%REC	%REC Limits
Surr: DOSS-D34	209		200	105	50-150

LCS (B0H0605-BS1)

Prepared: 8/6/2010 Analyzed: 8/6/2010

Targets

ANALYTE	Result	Analyte Reporting	Spike	%REC	RPD
	µg/l	Qualifiers Limit	Level	%REC Limits	RPD Limit
Dioctyl sulfosuccinate, sodium salt	95.2	20.0	87.5	109 50-150	

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DOSS by LC/MS/MS - Quality Control

Batch: B0H0605 Sample Type: Liquid

Matrix Spike (B0H0605-MS1)

Prepared: 8/6/2010 Analyzed: 8/6/2010 Source: 1008017-01

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	189		182	104	50-150

Matrix Spike (B0H0605-MS1)

Prepared: 8/6/2010 Analyzed: 8/6/2010 Source: 1008017-01

Targets

ANALYTE		Analyte Reporting Qualifiers Limit			%REC Limits	RPD	RPD Limit
Dioctyl sulfosuccinate, sodium	82.5	20.0	79.5	104	50-150		

salt

Matrix Spike Dup (B0H0605-MSD1)

Prepared: 8/6/2010 Analyzed: 8/6/2010 Source: 1008017-01

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	194		182	107	50-150

Matrix Spike Dup (B0H0605-MSD1)

Source: 1008017-01 Prepared: 8/6/2010 Analyzed: 8/6/2010

Targets

ANALYTE	Result µg/l	Analyte Reporting Qualifiers Limit			%REC Limits		RPD Limit
Dioctyl sulfosuccinate, sodium salt	89.6	20.0	79.5	113	50-150	8.32	30

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DOSS by LC/MS/MS - Quality Control

Batch: B0H0901 Sample Type: Liquid

Blank (**B0H0901-BLK1**)

Prepared: 8/9/2010 Analyzed: 8/9/2010

Surrogates

	ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
,	Surr: DOSS-D34	198		200	99.2	50-150

Blank (**B0H0901-BLK1**)

Prepared: 8/9/2010 Analyzed: 8/9/2010

Targets

ANALYTE		Analyte Reporting Qualifiers Limit	RPD RPD Limit
Dioctyl sulfosuccinate, sodium	U	20.0	

salt

LCS (B0H0901-BS1)

Prepared: 8/9/2010 Analyzed: 8/9/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	204		200	102	50-150

LCS (B0H0901-BS1)

Prepared: 8/9/2010 Analyzed: 8/9/2010

Targets

ANALYTE	Result	Analyte Reporting	Spike	%REC	RPD
	µg/l	Qualifiers Limit	Level	%REC Limits	RPD Limit
Dioctyl sulfosuccinate, sodium salt	91.3	20.0	87.5	104 50-150	

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CHAIN OF CUSTODY RECORD

R06_Deepwater_Grand_Isle

No: T0033-100403-20100805-004 AirbillNo: 7601953 15000045 Lab: U.S. EPA Region 6 Laboratory Lab Phone: 281-983-2137

Contact: Kristie Warr Phone: 713.985.6636

Lab#	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	T007-2331-100805-SW- 05-1	DOSS	Surface Water	Grab	8/5/2010	10:50	6	40 ml VOA	4 C	Υ
	T007-2333-100805-SW- 03-1	DOSS	Surface Water	Grab	8/5/2010	13:35	2	40 ml VOA	4 C	N
	T007-2337-100805-SW- 04-1	DOSS	Surface Water	Grab	8/5/2010	12:40	4	40 ml VOA	4 C	N
									-	
_										

SAMPLES TRANSFERRED FROM Special Instructions: Return Airbill # 7601953 15000045 CHAIN OF CUSTODY #

Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinguished By	Date	Received by	Date	Time
Mossy Geriam	9/5/10	Avad 81	18/10	19125		leut-1	8610	Isajah	8/6/10	9.2
Dung , 8	15/10	And "	18/9/10	1230		1000 11 41	1.20	HOURD	//0	
tell.	8/6/18	En Ill	860	0430						
	8.60	Klay 12	2-610	8:58						
	Missay Grayon	1405-14 CK-124M 8/5/10 16-62 9/5/10 16-62 8/5/10 16-62 8/5/10	Micro Grandon 8/5/10 Month 8/10 M	Micro Grandon 8/5/10 Away 9/5/1/10 Dung 9/5/10 May 9/5/10 Ly 1/5/10 May 10 Photo	MICHAN 8/5/10 Prof 9/5/10 1/25 Dong 9/5/10 July 9/10 1230 Elyso 5430 Fill 8/6/10 0430 Noby North Days 10 Property 54	MICHAEL 8/5/10 Month 9/5/10 1/25 Dong 9/5/10 Mills 9/5/10 1/25 Dong 9/5/10 Mills 9/5/10 1/25 Dong 9/5/10 Mills 10 Dong 1/5/5 Note 10 North 10 Dong 1/5/5	MINISTRU GRAND 8/5/10 Chrof 9/5/10 1/25 Dong 9/5/10 1/10 1/25	MINISTRU FRANCHISTO BIS 110 Chrof 9/1/10 1/125 WANT A 9/20 Chron 9/5/10 MINISTRUMENT BIS 110 Chrof 9/1/20 1/250 WANT A 9/20 Chron 1/250 State 1/250 St	MINISTU GRANDER & S 10 Proof & S 1/10 M 125 WANT A 9:20 NOTES	HILLS THE STATE OF ST

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Kristie Warr

713-985-6600 US EPA/Weston Venice, LA CHAIN OF CUSTODY RECORD

R06 Deep H2O Horizon Reporting Lab: EPA Houston Lab Lab_State: TX No: T0001-100405-20100805-003

Lab Address: 10625 Fallstone Rd Lab_City: Houston Lab_Zip: 77099

Lab#	Sample #	Analyses	Matrix	Collecti on Method	Collected	Sample Time	Numb Cont	Preservativ e	MS/MS D	Description	
	T001-1405-100805-SW-02-1	DOSS	Surface Water	Grab	8/5/2010	11:30	2	4 C	N		
	T001-2002-100805-SW-1	DOSS	Surface Water	Grab	8/5/2010	09:50	2	4 C	N		
							SAMPL	ES TRANSFI	ERRED FR	ROM	
Special I	Instructions: 5-Day Turnaround						CHAIN	OF CUSTOD	Y#		
Items	Reason Relinquished by	Date / Received by	Date Tir	me I	tems/Reason	Reling	uished By	Date F	Received b	y Date	Time
Chi	est N. Belan	15/10 Willies F	3-5-10 17	75		. /:01	10, 1	-5-10 /	21	8/9/10	2/30
		100		14		1,	1 1 0	100 M	saich	8/,1	n'
	TUM	0430 4 1	X610 04	8		May	1º H- 0	9:20 H	ems	16/10	112
	(h)	610 Muft	1 86+0 8	58			,				
	4 1/2	LIO WATER	870	2.4							

Sample Temp: 6°C

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CHAIN OF CUSTODY RECORD

No: T0033-100402-20100805-08

R06_DeepWater_Chalmette

Lab: U.S. EPA Region 6 Laboratory Lab Phone: 281-983-2137

Contact Name: Contact Phone:

b#	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Numb Cont	Container	Preservativ
	T005-0010-100805-SW-1	DOSS	Surface Water	Grab	8/5/2010	12:286	2	20 ml VOA	4 C
	T005-2339-100805-SW-1	DOSS	Surface Water	Grab	8/5/2010	11:15	2	20 ml VOA	4 C
						SAM	IPLES TRANSFE	RRED FROM	
ecial	Instructions: 3 Day turn around	f time				CHA	IN OF CUSTODY	#	
tems	Reason Relinquished by	100	Date T	ime Items/F	Reason R	elinquished By	Date R	eceived by	Date Tim
	ass	8/5/10 Ducy	8/5/10 16	:40	N	lost A	9120 H	aigh	8/6/18 9:
	Owen	8/5/10 Attal 9	8/1/10 Z	?še					
	AZUL	. 1 X	86001						
	Sille	8612 North	8-6-10 8.	58				_	
	1000-X						sample	lemp	:3°C

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Notes and Definitions

J The identification of the analyte is acceptable; the reported value is an estimate.

This sample was extracted at a single acid pH. A

HTS Sample was prepared and/or analyzed past recommended holding time. Concentrations should be

considered minimum values.

AES Atomic Emission Spectrometer

CVAA Cold Vapor Atomic Absorption

ECD Electron Capture Detector

GC Gas Chromatograph

GFAA Graphite Furnace Atomic Absorption

ICP Inductively Coupled Plasma

MS Mass Spectrometer

Not Applicable NA

NPD Nitrogen Phosphorous Detector

NR Not Reported

TCLP Toxicity Characteristic Leaching Procedure

Undetected U

Out of QC limits

Initial pressure in air analyses is the pressure at which the canister was received in psia (pounds per square inch absolute pressure).

The pH reported for Volatile liquid samples was tested using a 0-14 pH indicator strip for the purpose of verifying chemical preservation.

The statistical software used for the reporting of toxicity data is ToxCalc 5.0.32, Environmental Toxicity Data Analysis System 1994-2007 Tidepool Scientific Software.

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